

### Abstract of the Disclosure

There are provided a polynucleotide sequence coding for an amino acid sequence capable of preferentially producing (S)-4-bromo-3-hydroxybutanoate by asymmetrically reducing 4-bromo-3-oxobutanoate, A DNA  
5 construct having a promoter in operative linkage with the polynucleotide sequence, a recombinant vector containing the polynucleotide sequence, a transformant, a recombinant vector and the like.